

20050804.ba v03_n830.bam.20050804

>From ???@??? Thu Aug 4 23:20:36 2005 -0500
Date: Thu, 4 Aug 2005 23:20:01 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3830
Message-Id: <20050805042002.927D1407D6@srvr1.theporch.com>

BOATANCHORS Digest 3830

Topics covered in this issue include:

- 1)
by "James C. Garland" <4cx250b@muohio.edu>
- 2) Re:
by David Stinson <arc5@ix.netcom.com>
- 3) ADMINISTRIVIA: Buying and Selling Guidelines
by listown@nanniandjack.com (Mail List Owner)
- 4) Looking for data on E. F. Johnson variable capacitor
by "Joe Watson" <wwatson5@cox.net>
- 5) Re: Looking for data on E. F. Johnson variable capacitor
by stuck in 50s <polepeeg@ba-watch.org>
- 6) RCA AR88 filter choke details.
by "Brian Goldsmith" <brian.goldsmith@echo1.com.au>
- 7) Re: RCA AR88 filter choke details.
by stuck in 50s <polepeeg@ba-watch.org>
- 8) Re: RCA AR88 filter choke details.
by W7QH0@aol.com
- 9) Re: RCA AR88 filter choke 000PS
by stuck in 50s <polepeeg@ba-watch.org>
- 10) Boonton grid dip meter
by zelickr <zelickr@pdx.edu>
- 11) Fw: RCA AR88 filter choke details.
by =?iso-8859-1?Q?Andr=E9_Guibert?= <aguibert@sympatico.ca>
- 12) WTB: Regency ATC-1 Converter
by "James C. Garland" <4cx250b@muohio.edu>
- 13) National 600 Watt Transmitter
by Brian K Harris <brian.k.harris@philips.com>
- 14) Fw: Looking for data on E. F. Johnson variable capacitor
by "joe.watson" <wwatson5@cox.net>
- 15) Re Johnson Capacitors: Whoops!
by "joe.watson" <wwatson5@cox.net>
- 16) E-O-M
by stuck in 50s <polepeeg@ba-watch.org>
- 17) Re: E-O-M
by "Tom Rauch" <w8ji@contesting.com>
- 18) Re: E-O-M

- by "Tom Rauch" <w8ji@contesting.com>
19) Using AC relays on DC
by Ralph Parker <rparker@dccnet.com>
20) Re: E-O-M
by Ralph Parker <rparker@dccnet.com>
21) RE: Using AC relays on DC
by "Bill Hawkins" <bill@iaxs.net>
22) Wanted - 1CP1 CRT tube
by "Gary Franklin" <franklin6209@chartermi.net>
23) Re: E-O-M
by "Arden Allen" <gumbear@pacbell.net>

Message-Id: <6.0.1.1.2.20050801094434.01c73698@admin.muohio.edu>
Date: Mon, 01 Aug 2005 09:51:27 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: "James C. Garland" <4cx250b@muohio.edu>
Subject:
Cc: "Premium Receivers" <premium-rx@ml.skirrow.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,

As some of you know, I've been restoring for the past several months a National Radio Company HRO-600, the last of the famous "HRO" series of communications receivers. The HRO-600 tuned 16 kHz to 30 MHz, and represented the state-of-the-art in receiver design for the mid-1960s. It's an unusual radio, with a number of interesting features. Now that I've finished working on the receiver, I've added a couple of pages on it to my website. If you're interested, you can check out this seldom-seen receiver
at <http://www.w8zr.net/vintage/receivers/hro600.htm> I'd also appreciate any suggestions or comments on improving the presentation.
Tnx,

Jim Garland W8ZR

W8ZR Amateur Radio Website: www.w8zr.net

Message-ID: <23144588.1122916284970.JavaMail.root@wamui-cypress.atl.sa.earthlink.net>
Date: Mon, 1 Aug 2005 12:11:24 -0500 (GMT-05:00)
From: David Stinson <arc5@ix.netcom.com>

To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re:
Cc: Premium Receivers <premium-rx@ml.skirrow.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just a word to the wise:

Sending an email without anything in the "subject" line usually gets it deleted unread, because many phish and virus mails are sent that way. I came within an ace of deleting this one unread.
73 Dave S.

From: listown@nanniandjack.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Buying and Selling Guidelines
Date: Mon, 1 Aug 2005 11:15:00 -0700 (PDT)
Message-Id: <20050801181500.BBC161651C@osr506.nanniandjack.com>

Gang-

This periodic posting is intended as a gentle nudge and suggestion which should improve the quality of posts to the BoatAnchors list, and maintain our excellent (and high) signal to noise ratio...

The list culture has developed to include "for sale" and "wanted" posts. Originally, all buying and selling traffic was focused on finding parts to complete a restoration. As the list has evolved, there has been an increase in buying and selling activity, which may not be all bad.

There is, however, a real need to observe certain conventions, lest this otherwise benign activity turn into a real disturbance to the real purpose of the list: discussions of radio equipment using vacuum tubes, including the life and times of the designers and users of such gear.

Please observe these guidelines:

There is never a reason for an auction post or update on the Boatanchors List... comments about gear at auction elsewhere are noise, and those who would care already visit the auction sites, and those who do not frequent the auctions do not want to hear about it... simple policy -- keep this off the list!

1) LIMIT the frequency of for sale postings... once a month is a

good starting point

- 2) DO NOT post endless "xxx is sold" to the entire list... you offered it for sale, and it is not considerate of list resources (which include the time and energy of the other list members) to burden the list with these senseless notices. Use direct email to those who responded, or, if you don't want to answer them personally, just don't use the list to advertise them for sale!
- 3) AVOID even the mere faint appearance that you are posting items for sale as a regular adjunct to your business dealings. This has become more of a problem lately with some long lists showing up regularly on the main list, or with dealers who appear to be using the list for their personal advertising advantage. Failure to observe these basics *will* result in banishment from the list -- just don't do it! When even a shadow of doubt creeps in, read the "Welcome" message again... it spells it out!
- 4) DO be considerate of those on the list in your for sale or wanted postings. Keep them short, infrequent, and ONLY include items specifically appropriate to the list -- NO solid state gear is obvious, but try to avoid pushing the envelope in any area.
- 5) LONG lists and estate offerings should be sent to me at:
listown@nanniandjack.com
so they may be uploaded to the archives for email, web, or ftp retrieval.
- 6) We now have a web page up. Go to:
<http://www.theporch.com>
and follow the "ListProc Web Interface" Link to get registered and use the web interface, which allows searching of previous articles and the archived text files.

Thanks for your understanding and help in making the boatanchors list have the highest signal to noise on the InterNet.

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -
listown@nanniandjack.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"
Mon Aug 1 11:15:00 PDT 2005

Message-ID: <001201c59710\$8293ea90\$6600a8c0@NEWHP>
From: "Joe Watson" <wwatson5@cox.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Looking for data on E. F. Johnson variable capacitor
Date: Mon, 1 Aug 2005 22:16:01 -0500

MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_000F_01C596E6.9978C340"

This is a multi-part message in MIME format.

-----=_NextPart_000_000F_01C596E6.9978C340
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I have several N.O.S. E. F. Johnson 167-427 air variable capacitors. =
Does someone out there have some data for these? I would like to know =
the min/max capacitance and voltage rating for these. They are very =
nice and shiny and in their original boxes. I plan to offer them to you =
guys, but would like to be able to say what the specs are. =20

Thanks.

Joe=20
W5WBR

-----=_NextPart_000_000F_01C596E6.9978C340
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
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* * * * *

-----=_NextPart_000_000F_01C596E6.9978C340--

Date: Tue, 2 Aug 2005 09:25:01 -0400 (EDT)
From: stuck in 50s <polepeeg@ba-watch.org>
Message-Id: <200508021325.j72DP1R8029958@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Looking for data on E. F. Johnson variable capacitor

>whatza a EFJ 167-427?

Joe I looked them up in the 1952 Radio Masters & there's no listing
for any 167-4xx capacitors. The 167 line was called the "L series" so
I at least know their looks. Compact critters with soldered square

ceramic end-plates

big help

From: "Brian Goldsmith" <brian.goldsmith@echo1.com.au>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RCA AR88 filter choke details.
Date: Tue, 2 Aug 2005 22:24:39 +1000
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Message-Id: <20050802122444.VHWT21584.onta05ps.mx.bigpond.com@virtual2>

Greetings to all. I have recently acquired a "new" RCA AR88 receiver which unfortunately is lacking the second filter choke. Examination of the handbook reveals the first and second filter chokes are identical, however I lack the necessary test equipment to ascertain the inductance of the missing choke by measuring the existing one. Could anyone add any info to the known data, ie. 5Y3GT rectifier, 4 uF input to first choke, 4 uF input into second choke followed by 4 uF final filter cap. I have lots of chokes here with airgaps etc, some of which will probably be suitable, however, I would like an inductance figure (with or without DC component) to aim at.

Thanks for the read.

Brian Goldsmith.

Date: Tue, 2 Aug 2005 13:18:06 -0400 (EDT)
From: stuck in 50s <polepeeg@ba-watch.org>
Message-Id: <200508021718.j72HI6iL000754@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: RCA AR88 filter choke details.

Brian for expedience, I sure hope someone just sends the answer

But if all else fails, there's this. Series choke with, say, 4uF, and a 1K resistor.

Then put daisy chain across a 20-20kc audio osc. & find where voltage drop across resistor is zero. That's resonance.

Then plug 'n chug using formula

$$f = 1. / 6.28 * \text{sqrt}(LC) \text{ where } L \text{ in hy.s \& } C \text{ in farads}$$

-or-

$L = 1. / 40 * f * f * C$

You can put some DC, say 100ma, across choke to add realism

Marty

From: W7QH0@aol.com
Message-ID: <218.60f610e.302124fe@aol.com>
Date: Tue, 2 Aug 2005 15:35:26 EDT
Subject: Re: RCA AR88 filter choke details.
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="part1_218.60f610e.302124fe_boundary"

--part1_218.60f610e.302124fe_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Brian,

Checked my original RCA manual, but they only give a part number, no values.
However, unless you're primarily interested in authenticity simply going
with the single choke and adding 30 or 40 uf of capacity on the output side
should work just fine. The use of only 4 uf caps in the original circuit
necessitated the use of a two section filter. MUCH more capacity available today
in
smaller packages.

Dennis D. W7QH0
Glendale, CA

--part1_218.60f610e.302124fe_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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* * * * *

--part1_218.60f610e.302124fe_boundary--

Date: Tue, 2 Aug 2005 16:37:50 -0400 (EDT)
From: stuck in 50s <polepeeg@ba-watch.org>
Message-Id: <200508022037.j72KboDu001478@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: RCA AR88 filter choke 000PS

K4OZY correctly sez voltage across r for series resonance is max not min.
No back-peddling on this one.

John has a better way too. Only involves pot.

Write for more detail

Also W7QH0 bigger C advice good.

Marty

From: zelickr <zelickr@pdx.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 2 Aug 2005 14:26:43 -0700
Message-ID: <200582142643.508913@facu-lap-zeli>
Subject: Boonton grid dip meter
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hello all,

Say, I just ran across a nice old (seems very old) Boonton 101B UHF grid dip= meter. It must have a tuning head, but that part is missing. All I have is= the box with power supply and meter, and a cable terminating in a 4-pin= female connector of the style used with older (tube type) Motorola base= station microphones.

Does anyone have enough information about this guy to tell me if it= practical to make a home-brew tuning head? Perhaps just a box and a= capacitor? Or maybe lots more.

The good news is that there are three little plug-in coils still mounted in= carriers on the top of the main box with the meter.

Thanks,

=3DRandy=3D

Randy Zelick

=A0

Dept. Biology

Portland State University

=A0

P.O. Box 751, Portland, OR, 97207 (mailing)

=A0=A0=A0=A0=A0=A0=A0=A0=A0=A0=A0=A0=A0=A0=A0-or-

1719 SW 10th Ave, Room 246, Portland, OR, 97201 (shipping)

=A0

503-725-3086 (voice)

503-725-3888 (fax)

Message-ID: <000801c597a2\$fbf71fa0\$6182d1d8@oemcomputer>

From: =?iso-8859-1?Q?Andr=E9_Guibert?= <aguibert@sympatico.ca>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Fw: RCA AR88 filter choke details.

Date: Tue, 2 Aug 2005 16:43:45 -0400

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Brian

The CR88 manual is the Bikini kind, what it shows is good
but what it hide's is even better.

The R.C.A.F. maintenance manual gives the bare facts
in their Maintenance Manual for the CR91, basically the
same as the AR88.

L49/50 chokes values are 13 H at 60v,60Hz, 94 ma DC with
a d-c resistance of 400 ohms, +- 10%, insulation 2000v.

Regards

Andre

Message-Id: <6.0.1.1.2.20050802210106.01cd2ef8@admin.muohio.edu>

Date: Tue, 02 Aug 2005 21:02:57 -0400

To: Old Tube Radios <boatanchors@theporch.com>

From: "James C. Garland" <4cx250b@muohio.edu>

Subject: WTB: Regency ATC-1 Converter

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Subject says it all. If you've got one in reasonable condition, I'd like to
buy it.

Tnx,
Jim W8ZR

To: Old Tube Radios <boatanchors@theporch.com>
Subject: National 600 Watt Transmitter
MIME-Version: 1.0
Message-ID: <0F5216E61F.4AF3EE51-
ON88257052.000E2F4E-86257052.000F53E1@philips.com>
From: Brian K Harris <brian.k.harris@philips.com>
Date: Tue, 2 Aug 2005 21:45:18 -0500
Content-Type: text/plain; charset="US-ASCII"

I am trying to determine the value of a National 600 Watt transmitter. As you may know these late 30's transmitters are rare. I know of only two, mine and one other. Why am I asking? I have a probable buyer and I want to determine a fair price for both of us. Should this deal fail I will make the transmitter available on these lists and the Millen list before going elsewhere. I appreciate any kind advice you can offer.

P.S. Stay tuned for future FS listings from me as I intend to sell most of my collection within the next 9 months. My collection can be seen in part at:

<http://home.comcast.net/~wa5uek/index.html>

Very 73,

Brian WA5UEK

Message-ID: <001601c597e7\$b92eaa90\$6700a8c0@study>
From: "joe.watson" <wwatson5@cox.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Fw: Looking for data on E. F. Johnson variable capacitor
Date: Tue, 2 Aug 2005 23:56:33 -0500
MIME-Version: 1.0
Content-Type: multipart/mixed;
boundary="-----_NextPart_000_0013_01C597BD.CFD3BB20"

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-----_NextPart_000_0013_01C597BD.CFD3BB20
Content-Type: text/plain;
format=flowed;
charset="iso-8859-1";
reply-type=original
Content-Transfer-Encoding: 7bit

This is a follow up on the E. F. Johnson type 167-427 variable capacitors that I have.

Thanks to Niel and Beth Wiegand, a data sheet for their Type L line is attached.

Although the model number I have is not on their list, it is obviously a variant of that family. I measured a stator-to-rotor air gap of approximately 0.06 inches (which the data sheet indicates was an option). I measured a minimum capacitance of approximately 4 pf and a maximum capacitance of approximately 26 pf. Dimensions are as shown in the bottom drawing with a length, L, of 1 9/16 inches. They are nickel plated, N. O. S. in the box. Pictures are attached.

I will be happy to part with 15 of these for \$2 each, plus a little extra for postage, if anybody needs them. First come-first served.

I may have a few more later.

Joe
W5WBR

-----=_NextPart_000_0013_01C597BD.CFD3BB20
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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* * * * *
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-----=_NextPart_000_0013_01C597BD.CFD3BB20--

Message-ID: <001201c597f1\$797bb4b0\$6700a8c0@study>
From: "joe.watson" <wwatson5@cox.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re Johnson Capacitors: Whoops!

Date: Wed, 3 Aug 2005 01:06:22 -0500
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_000F_01C597C7.90286660"

This is a multi-part message in MIME format.

-----=_NextPart_000_000F_01C597C7.90286660
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I forgot and did a NO-NO and attached files to my message re =
availability of the E. F. Johnson variable capacitors.

My apologies to all.

If anyone is interested in pix or data sheet, let me know and I will =
send directly to you.

Thanks.

Joe
W5WBR

-----=_NextPart_000_000F_01C597C7.90286660
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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-----=_NextPart_000_000F_01C597C7.90286660--

Date: Thu, 4 Aug 2005 06:46:18 -0400 (EDT)
From: stuck in 50s <polepeeg@ba-watch.org>
Message-Id: <200508041046.j74AkI8w012377@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: bob@atl.org
Subject: E-O-M

not end of messsage but end of morse

FCC has a NPRM (notice propoas3d rule making) to dump cw reqm't
once & for all. Read all about it at

<http://www.msu.edu/~volzmich/commenthelp.htm>

Many of you are all probably aware, but I wasn't. Found out about
it from a pal that referenced blog at

<http://www.kb6nu.com>

And y'all know something? Reflectors like this may go the way of
kiwi birds & be replaced by these 'web logs / blogs.' Things that
are ongoing community diaries with editorial comment

signed

aa4rm

Message-ID: <000d01c598e4\$fac1d6a0\$6401a8c0@akorn.net>
From: "Tom Rauch" <w8ji@contesting.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <bob@atl.org>
Subject: Re: E-O-M
Date: Thu, 4 Aug 2005 07:09:25 -0400
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> not end of messsage but end of morse

>

> FCC has a NPRM (notice propoas3d rule making) to dump cw
reqm't

> once & for all. Read all about it at

I've had a week or so to digest that FCC NPRM, and I've been
thinking about ham radio and the changes for a while now.
Our population or interest in radio has very little to do
with CW tests or not.

The way I see it is ham radio quit being something special
to young people because society and communications
technology changed.

That communicator's license I heard about and dreaded is on

the doorstep. We'll see an upgrade of existing VHF amateurs who are casually curious about HF and a few HF pirates that might take a test and get a call sign....but that'll be about it except for the fact the lack of a test will mean the eventual loss of CW exclusive bands.

It's a lot like trying to hire an under-30 person who knows electronics or who even if a technostoooge shows up for work on time. Things just change. Basic skills in mechanics/electronics and working for rewards are down the toilet.

73 Tom

Message-ID: <001801c598ff\$2d9eee40\$6401a8c0@akorn.net>
From: "Tom Rauch" <w8ji@contesting.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <polepeeg@ba-watch.org>,
"Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: E-O-M
Date: Thu, 4 Aug 2005 10:16:58 -0400
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> It's like Georga Tech eliminating 'drownproofing' as a requirement for
> graduation. A few more students get their sheepskins but at the expense of
> character building and, possibly life saving, skill for the rest.

You ought to see how well they work out when you hire them and ask them to do something they think is beneath them, like emptying their own trash.

I could write pages of problems with just one of them, including doing an install of a large phasing system on a 5 tower array and one of the recent grads deciding it was OK to not follow the wire color code chart I gave him because it meant he had to strip more wire rather than use scraps.

I'm gonna protest the FCC's proposed RM. At least I'm going see CW go out with me doing what I can towards stopping it. I don't want to contribute to this decay by not responding.

73 Tom

Message-Id: <3.0.6.32.20050804123917.00eada70@pop3.dccnet.com>
Date: Thu, 04 Aug 2005 12:39:17 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Ralph Parker <rparker@dccnet.com>
Subject: Using AC relays on DC
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

In an attempt to improve the efficiency of my converted (to 6m) SB-230, I'm finally going to replace the antenna relay. The existing relay (as most Heath SB-2xx amps) operates on 120v DC. I've got an RF-adequate Dow coax relay with a 120vac coil which pulls in at around 60vdc. Other than maybe some series R, are there any other considerations I should be aware of?

VE7XF

Message-Id: <3.0.6.32.20050804123310.00eada70@pop3.dccnet.com>
Date: Thu, 04 Aug 2005 12:33:10 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Ralph Parker <rparker@dccnet.com>
Subject: Re: E-O-M
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>...the lack of a test will mean the eventual loss of CW exclusive bands.
>...I'm gonna protest the FCC's proposed RM...

The loss of the CW sub-bands is what disturbs me the most, having been a CW fan for (just) over 50 years.

As a Canadian, my letter to the FCC probably wouldn't be read. Industry Canada (our radio-governing body) just grandfathered HF privileges to our 'basic' (VHF only) amateurs. I hope it's not the beginning of the end.

As I'm fond of saying, I'll be dead soon and it won't matter.
THEN they'll be sorry!

VE7XF

From: "Bill Hawkins" <bill@iaxs.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Using AC relays on DC
Date: Thu, 4 Aug 2005 16:36:39 -0500
Message-ID: <000801c5993c\$98f1d440\$0500a8c0@darius.domain.actds1tmp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

DC relays can have slow release times, especially if there is a backwards diode across the coil. Use an RC snubber instead, or put some resistance in series with the diode.

Relays designed for AC may have less resistance in the coil, so that the DC power to close the relay will be higher than the AC power. One trick, if you have excess DC, is to put a capacitor across a dropping resistor that will hold the relay in after it has closed. You may want some resistance in series with the capacitor, as well. The capacitor is there to provide the current vs. time needed to close the relay.

No values are given because you need to find the right values by experiment. Snubbers usually have a resistor equal to the coil resistance in series with a capacitor large enough to tame the spark at the T/R switch.

Regards,
Bill Hawkins

Message-ID: <002f01c5995f\$60eaca70\$6401a8c0@S0026042656>
From: "Gary Franklin" <franklin6209@chartermi.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Wanted - 1CP1 CRT tube
Date: Thu, 4 Aug 2005 21:45:30 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 format=flowed;
 charset="iso-8859-1";
 reply-type=original
Content-Transfer-Encoding: 7bit

Looking for a good, working 1CP1 CRT tube for Eldico SSB-100F transmitter. Anyone know where I can find one?

Gary K8BKB

Message-ID: <002d01c59974\$abf603d0\$8de47443@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <bob@atl.org>
Subject: Re: E-O-M
Date: Thu, 4 Aug 2005 21:01:19 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>It's a lot like trying to hire an under-30 person who knows electronics or who even if a technostooge shows up for work on time. Things just change. Basic skills in mechanics/electronics and working for rewards are down the toilet.

Couldn't have said it better myself. But y'all are part of the problem. It's us hams who helped make the "information age" possible. And along came computers to take away our need to be competent at something. So lets see that stoop of humility and hope we figure out how to keep our hobby a hobby and don't let it get hijacked again.

Arden Allen
KB6NAX

End of BOATANCHORS Digest 3830
